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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/047,499	10/23/2001	Assaf Zeira	P-181-3 US	3946
7590 12/02/2004			EXAMINER	
EDWARD LANGER / SHIBOLETH YISRAELI ROBERTS			TRAN, DENISE	
ZISMAN & CO	-		ART UNIT	DADED MINADED
350 FIFTH AVE			ARTUNII	PAPER NUMBER
60TH FLOOR			2186	
NEW YORK, NY 10116			DATE MAILED: 12/02/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

Diffice Action Summary			<del></del>					
## Denise Tran   2186    - The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  ■ Enterolect of liter may be available under the provisione of 37 CFR 1.130(a). In or event, however, may a raply be timely filled.  ■ If the period for reply is pecified above, the maintimus statution profes will apply and will explose ISK (0) MCN/HS from the maining date of this communication of the period of the	Ì		Application No.	Applicant(s)				
Denise Tran  Denis								
- The MALING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ③ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extension of time may be available under the provisions of 3 CER 1.13(6). In no event, however, may a riply be timely flad  If the period for reply specified above is less than thirty (30) stays, a reply within the satulatory minimum of thirty (30) stays, we be considered stretch. If the period for reply specified above is less than thirty (30) stays, a reply with the static reply specified above is less than thirty (30) stays, a reply with the static reply specified above is less than thirty (30) stays, a reply with the static reply specified of this communication.  Final Property of the state of the communication of this communication to become ABANDOKED (30 U.S. C. § 133).  This action is FINAL.  1)② Responsive to communication(s) filled on 07 September 2004.  2a) This action is FINAL.  2b)② This action is non-final.  3)□ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Exparte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)② Claim(s) 1.5-8 and 10-17 is/are pending in the application.  4a) Of the above claim(s) is/are velocited.  5)② Claim(s) 1.5-8 and 12-17 is/are rejected.  7)□ Claim(s) is/are allowed.  6)② Claim(s) 1.5-8 and 12-17 is/are rejected.  7)□ Claim(s) is/are velocited to by the Examiner.  10)② The deriving(s) filled on 23 October 2001 is/are: a)② accepted or b)□ objected to by the Examiner.  Application Papers  9)□ The specification is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  10)□ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)□ All b)□ Some ** O□ None of:  1.□ Certified copies of the priority documents have		Onice Action Summary						
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THE MAILING DATE OF THIS COMMUNICATION.  Extensions of mem pub a waiteble under the provides of 3 CFR 1.13(6). In no event, however, may a raphy be linely filed after SIX (6) MONTHS from the mailing date of this communication.  If NO period for reply is specified above, the maximum statistury prioris under poly within the statutory interiment of thist, 20) days will be considered filmly.  If NO period for reply is specified above, the maximum statistury prioris under poly and vide source (8) (6) MONTHS from the mailing date of this communication.  Fallwer to reply within the set of extended priorid for reply will. By distale, cause the application to become ARANCONED (IS U.S.C. § 133). Any reply seeded by the Official set then three maining date of this communication, even if firmly filed, may reduce any certain priorid priorid to the maining date of this communication, even if firmly filed, may reduce any certain priorid priorid to the maining date of this communication, even if filmly filed, may reduce any certain priorid priorid to the development of the certain priorid priorid filed for the certain priorid filed filed for the certain priorid filed			pears on the cover sheet with the	correspondence address				
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## **DETAILED ACTION**

1. The applicant's amendment filed 9/7/04 has been considered. Claims 1, 5-8, and 10-17 are presented for examination. Claims 2-4 and 9 have been deleted.

- 2. The indicated allowability of claims 1, 5, and 7 is withdrawn in view of the newly discovered reference(s) to Brady. Rejections based on the newly cited reference(s) follow.
- 3. Claims 10-17 are allowable over the prior art of record.
- 4. Claims 6 and 8 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.
- The following is a quotation of the second paragraph of 35 U.S.C. 112:
  The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 6. Claims 6, 8, and 12-17 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

As per claim 6, lines 9-10, 14, and 19-20, it is unclear whether "said CPU" preferred to a CPU of said at least two CPUs (claim 5) or "a CPU" (claim 6, line 2);

As per claim 8, lines 28 and 34-35, it is unclear whether "said CPU" preferred to a CPU of said at least two CPUs (claim 5) or "a CPU" (claim 8, line 2) or "a CPU within said CPU group" (claim 8, line 23). Claims 12, 14, and 16 have similar problems as discussed above.

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 1, 5 and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Brady, U.S. Patent No. 5,613,139.

As per claim 5, Brady teaches a computer system comprising:

at least two CPUs (e.g., figs.1-2, els. 12 of NO-N1);

a shared memory shared by said CPUs (e.g., fig. 2, el. 23 of N2), at least one shared system resource accessible to said CPUs (e.g., col. 3, lines 55-60); and

said shared memory having therein a resource locking table (e.g., fig. 2, el. 32), comprising memory elements, each of said memory elements designated for being written to by only one of said at least two CPUs (e.g., col. 4, lines 58- to col. 5, line 4; col. 6, lines 20-21), and each CPU having a corresponding memory element for each shared system resource to which it has access (e.g., col. 4, lines 58- to col. 5, line 4; col. 6, lines 15-25), wherein each of said at least two CPUs is communicatively

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interconnected with said shared memory and said shared system resource, and said resource locking table is operative by each of said CPUs (e.g., figs. 1-2, els. No-N2, 10; 24; and col. 4, lines 58- to col. 5, line 4; col. 6, lines 15-25), and

wherein any of said at least two CPU can read a first collection of memory elements in a single transaction (e.g., col. 4, lines 45-65), said first collection of memory elements corresponding to requests of said CPUs for one of said at least one shared system resource (col. 4, lines 58- to col. 5, line 4; col. 6, lines 15-25)

As per claim 1, Brady teaches a computer system comprising:
at least two CPUs (e.g., figs.1-2, els. 12 of NO-N1);
a shared memory shared by said CPUs (e.g., fig. 2, el. 23 of N2), and
at least one shared system resource accessible to said CPUs (e.g., col. 3, lines 55-60),

said shared memory having therein a resource locking table (e.g., fig. 2, el. 32), comprising memory elements, each of said memory elements designated for being written to by only one of said at least two CPUs (e.g., col. 4, lines 58- to col. 5, line 4; col. 6, lines 20-21), and each CPU having a corresponding memory element for each shared system resource to which it has access (e.g., col. 4, lines 58- to col. 5, line 4; col. 6, lines 15-25),

wherein each of said at least two CPUs is communicatively interconnected with said shared memory and said shared system resource, and said resource locking table is operative by each of said CPUs (e.g., figs. 1-2, els. No-N2, 10; 24; and col. 4, lines 58- to col. 5, line 4; col. 6, lines 15-25), and

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wherein said communicative interconnection is across a communications bus (e.g., fig 1-2, els. 10, 14) wherein a single read operation (i.e., a read and store lock message) is capable of atomically reading at least a collection of said memory elements, said collection comprising at least two memory elements (col. 4, lines 58- to col. 5, line 4; col. 5, lines 45-46; and col. 6, lines 15-25).

As per claim 7, Brady shows a second collection of memory elements corresponds to a group of CPUs (e.g., fig. 4, el. 32, lock words 46 correspond to group requesting nodes or CPUs; col. 4, lines 58- to col. 5, line 4; col. 5, lines 45-46; and col. 6, lines 15-25).

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Denise Tran whose telephone number is (571) 272-4189. The examiner can normally be reached on Monday, Thursday, and Friday from 8:45 a.m. to 5:15 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matt Kim, can be reached on (571) 272-4182. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

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published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

11/26/04